

Entres FubMed Nucleotide Protein OMIM PMC Structure Journals Books Search PubMed Go Clear for EphA4 Limits Preview/Index Clipboard Details History Show: 500 * Display Summary Sort Send to Text About Entrez Items 1 - 152 of 152 One r 1: Ashida S, Nakagawa H, Katagiri T, Furihata M, Iiizumi M, Anazawa Y, Text Version Related Articles, I Tsunoda T, Takata R, Kasahara K, Miki T, Fujioka T, Shuin T, Nakamura Y Entrez PubMed Overview Molecular features of the transition from prostatic intraepithelial neoplasia (Pl Help | FAQ to prostate cancer: genome-wide gene-expression profiles of prostate cancers: Tutorial PINs. New/Noteworthy E-Utilities Cancer Res. 2004 Sep 1;64(17):5963-72. PMID: 15342375 [PubMed - in process] PubMed Services 2: Hanson MG, Landmesser LT. Related Articles, I Journals Database MeSH Database Normal patterns of spontaneous activity are required for correct motor axon Single Citation Matcher guidance and the expression of specific guidance molecules. **Batch Citation Matcher** Neuron. 2004 Sep 2;43(5):687-701. Clinical Queries LinkOut PMID: 15339650 [PubMed - in process] Cubby 3. van Doorn R, Dijkman R, Vermeer MH, Out-Luiting JJ, van der Raaij-Related Articles, I Helmer EM, Willemze R, Tensen CP. Related Resources Order Documents Aberrant expression of the tyrosine kinase receptor EphA4 and the transcription **NLM Catalog** factor twist in Sezary syndrome identified by gene expression analysis. **NLM Gateway** Cancer Res. 2004 Aug 15;64(16):5578-86. TOXNET PMID: 15313894 [PubMed - in process] Consumer Health Clinical Alerts 4: Freitas R, Cohn MJ. ClinicalTrials.gov Related Articles, 1 PubMed Central Analysis of EphA4 in the lesser spotted catshark identifies a primitive gnathostome expression pattern and reveals co-option during evolution of share specific morphology. Dev Genes Evol. 2004 Sep;214(9):466-72. Epub 2004 Aug 06. PMID: 15300436 [PubMed - in process] 5: Person AL, Cerretti DP, Pasquale EB, Rubel EW, Cramer KS. Related Articles, I Tonotopic gradients of Eph family proteins in the chick nucleus laminaris duri synaptogenesis. J Neurobiol. 2004 Jul;60(1):28-39. PMID: 15188270 [PubMed - indexed for MEDLINE] 6: McKinnell IW. Makarenkova H, de Curtis I, Turmaine M, Patel K. Related Articles, 1 EphA4, RhoB and the molecular development of feather buds are maintained the integrity of the actin cytoskeleton. Dev Biol. 2004 Jun 1;270(1):94-105. PMID: 15136143 [PubMed - indexed for MEDLINE] 7: Cramer KS, Bermingham-McDonogh O, Krull CE, Rubel EW Related Articles, I EphA4 signaling promotes axon segregation in the developing auditory system Dev Biol. 2004 May 1;269(1):26-35. PMID: 15081355 [PubMed - indexed for MEDLINE]

8: Eberhart J, Barr J, O'Connell S, Flagg A, Swartz ME, Cramer KS, Tosney Related Articles, 1

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KW, Pasquale EB, Krull CE.

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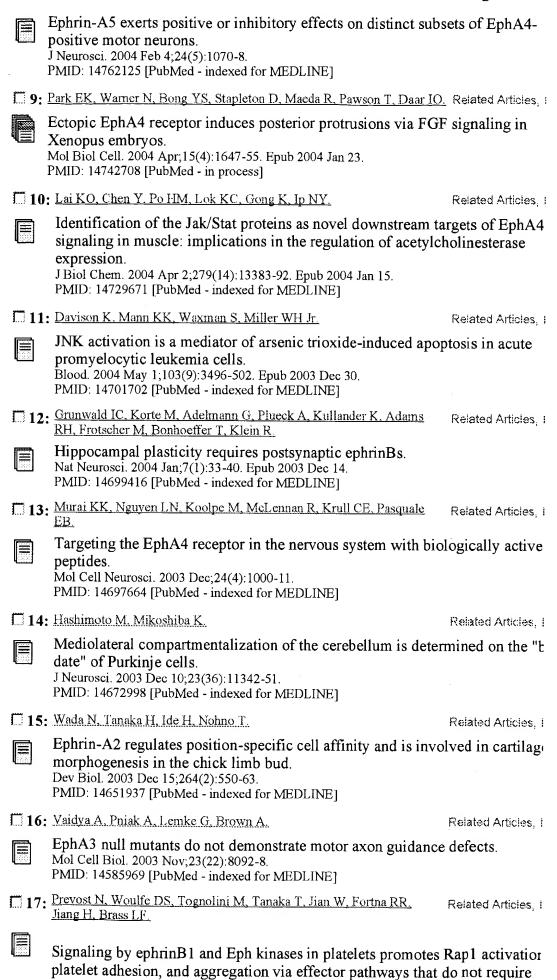
fcg

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e

b

e



h

cb

h g

phosphorylation of ephrinB1. Blood. 2004 Feb 15;103(4):1348-55. Epub 2003 Oct 23. PMID: 14576067 [PubMed - indexed for MEDLINE] 18: Muller M, Jabs N, Lorke DE, Fritzsch B, Sander M. Related Articles, I Nkx6.1 controls migration and axon pathfinding of cranial branchiomotoneurons. Development. 2003 Dec;130(23):5815-26. Epub 2003 Oct 08. PMID: 14534138 [PubMed - indexed for MEDLINE] 19: Greferath U, Canty AJ, Messenger J, Murphy M. Related Articles, I Developmental expression of EphA4-tyrosine kinase receptor in the mouse brain and spinal cord. Mech Dev. 2002 Dec;119 Suppl 1:S231-8. PMID: 14516691 [PubMed - in process] 20: Suetsugu R, Sato Y, Takahashi Y. Related Articles, I Pax 2 expression in mesodermal segmentation and its relationship with Eph. and Lunatic-fringe during chicken somitogenesis. Mech Dev. 2002 Dec;119 Suppl 1:S155-9. PMID: 14516678 [PubMed - in process] 21: Barrios A. Poole RJ, Durbin L, Brennan C, Holder N, Wilson SW. Related Articles, I Eph/Ephrin signaling regulates the mesenchymal-to-epithelial transition of the paraxial mesoderm during somite morphogenesis. Curr Biol. 2003 Sep 16;13(18):1571-82. PMID: 13678588 [PubMed - indexed for MEDLINE] 22: Kiehn O, Butt SJ. Related Articles, I Physiological, anatomical and genetic identification of CPG neurons in the developing mammalian spinal cord. Prog Neurobiol. 2003 Jul;70(4):347-61. Review. PMID: 12963092 [PubMed - indexed for MEDLINE] 23: de Saint-Vis B, Bouchet C, Gautier G, Valladeau J, Caux C, Garrone P. Related Articles, I Human dendritic cells express neuronal Eph receptor tyrosine kinases: role o EphA2 in regulating adhesion to fibronectin. Blood. 2003 Dec 15;102(13):4431-40. Epub 2003 Aug 07. PMID: 12907451 [PubMed - indexed for MEDLINE] 24: Dufour A, Seibt J, Passante L, Depaepe V, Ciossek T, Frisen J. Related Articles, I Kullander K, Flanagan JG, Polleux F, Vanderhaeghen P. Area specificity and topography of thalamocortical projections are controlled ephrin/Eph genes. Neuron. 2003 Jul 31;39(3):453-65. PMID: 12895420 [PubMed - indexed for MEDLINE] 25: Salingcamboriboon R, Yoshitake H, Tsuji K, Obinata M, Amagasa T, Related Articles, I Nifuji A, Noda M. Establishment of tendon-derived cell lines exhibiting pluripotent mesenchym stem cell-like property. Exp Cell Res. 2003 Jul 15;287(2):289-300. PMID: 12837285 [PubMed - indexed for MEDLINE] 26: Bushong EA, Martone ME, Ellisman MH. Related Articles, I Examination of the relationship between astrocyte morphology and laminar boundaries in the molecular layer of adult dentate gyrus.

b e

J Comp Neurol. 2003 Jul 21;462(2):241-51.

e ch

fcg

Page 4 of 17 PMID: 12794746 [PubMed - indexed for MEDLINE] 27: Sharfe N. Freywald A. Toro A. Roifman CM. Related Articles, I Ephrin-A1 induces c-Cbl phosphorylation and EphA receptor down-regulation in T cells. J Immunol. 2003 Jun 15;170(12):6024-32. PMID: 12794130 [PubMed - indexed for MEDLINE] 28: Ogita H, Kunimoto S, Kamioka Y, Sawa H, Masuda M, Mochizuki N. Related Articles, I EphA4-mediated Rho activation via Vsm-RhoGEF expressed specifically in vascular smooth muscle cells. Circ Res. 2003 Jul 11;93(1):23-31. Epub 2003 May 29. PMID: 12775584 [PubMed - indexed for MEDLINE] 29: Brors D, Bodmer D, Pak K, Aletsee C, Schafers M, Dazert S, Ryan AF. Related Articles, 1 EphA4 provides repulsive signals to developing cochlear ganglion neurites mediated through ephrin-B2 and -B3. J Comp Neurol. 2003 Jul 14;462(1):90-100. PMID: 12761826 [PubMed - indexed for MEDLINE] 730: Pickles JO. Related Articles, I Expression of Ephs and ephrins in developing mouse inner ear. Hear Res. 2003 Apr;178(1-2):44-51. PMID: 12684176 [PubMed - indexed for MEDLINE] 31: Kullander K. Butt SJ, Lebret JM, Lundfald L, Restrepo CE, Rydstrom A. Related Articles. 1 Klein R. Kiehn O Role of EphA4 and EphrinB3 in local neuronal circuits that control walking. Science. 2003 Mar 21;299(5614):1889-92. PMID: 12649481 [PubMed - indexed for MEDLINE] 32: Suetsugu R. Sato Y. Takahashi Y. Related Articles, I Pax 2 expression in mesodermal segmentation and its relationship with Eph. and Lunatic-fringe during chicken somitogenesis. Gene Expr Patterns. 2002 Nov;2(1-2):157-61. PMID: 12617855 [PubMed - indexed for MEDLINE] 33: Greferath U, Canty AJ, Messenger J, Murphy M. Related Articles, I Developmental expression of EphA4-tyrosine kinase receptor in the mouse brain and spinal cord. Gene Expr Patterns. 2002 Dec;2(3-4):267-74. PMID: 12617813 [PubMed - indexed for MEDLINE] 34: Coonan JR, Bartlett PF, Galea MP. Related Articles, I Role of EphA4 in defining the position of a motoneuron pool within the spin J Comp Neurol. 2003 Mar 24;458(1):98-111. PMID: 12577325 [PubMed - indexed for MEDLINE] 35: Yun ME, Johnson RR, Antic A, Donoghue MJ. Related Articles, i EphA family gene expression in the developing mouse neocortex: regional patterns reveal intrinsic programs and extrinsic influence. J Comp Neurol. 2003 Feb 10;456(3):203-16. PMID: 12528186 [PubMed - indexed for MEDLINE] 36: Murai KK, Nguyen LN, Irie F. Yamaguchi Y, Pasquale EB. Related Articles, I

Control of hippocampal dendritic spine morphology through ephrin-A3/Eph.

h cb h g fcg e ch b e

signaling.

Nat Neurosci. 2003 Feb;6(2):153-60. PMID: 12496762 [PubMed - indexed for MEDLINE] Related Articles, 1 37: McLennan R. Krull CE. Ephrin-as cooperate with EphA4 to promote trunk neural crest migration. Gene Expr. 2002;10(5-6):295-305. PMID: 12450221 [PubMed - indexed for MEDLINE] 38: Krumlauf R. Related Articles, I Spring forward and fall back: dynamics in formation of somite boundaries. Dev Cell. 2002 Nov;3(5):605-6. Review. PMID: 12431364 [PubMed - indexed for MEDLINE] 39: Kulesa PM, Fraser SE. Related Articles, I Cell dynamics during somite boundary formation revealed by time-lapse analysis. Science. 2002 Nov 1;298(5595):991-5. PMID: 12411697 [PubMed - indexed for MEDLINE] Related Articles, i 40: Irie F. Yamaguchi Y. EphB receptors regulate dendritic spine development via intersectin, Cdc42 a N-WASP. Nat Neurosci. 2002 Nov;5(11):1117-8. No abstract available. PMID: 12389031 [PubMed - indexed for MEDLINE] 11: Takemoto M. Fukuda T, Sonoda R, Murakami F, Tanaka H, Yamamoto Related Articles. 1 Ephrin-B3-EphA4 interactions regulate the growth of specific thalamocortical axon populations in vitro. Eur J Neurosci. 2002 Sep;16(6):1168-72. PMID: 12383247 [PubMed - indexed for MEDLINE] Related Articles, I 42: St John JA, Pasquale EB, Key B. EphA receptors and ephrin-A ligands exhibit highly regulated spatial and temporal expression patterns in the developing olfactory system. Brain Res Dev Brain Res. 2002 Sep 20;138(1):1-14. PMID: 12234653 [PubMed - indexed for MEDLINE] 43: Cramer KS, Karam SD, Bothwell M, Cerretti DP, Pasquale EB, Rubel Related Articles, I Expression of EphB receptors and EphrinB ligands in the developing chick auditory brainstem. J Comp Neurol. 2002 Oct 7;452(1):51-64. PMID: 12205709 [PubMed - indexed for MEDLINE] 44: Blanco MJ, Pena-Melian A, Nieto MA. Related Articles, I Expression of EphA receptors and ligands during chick cerebellar developme Mech Dev. 2002 Jun;114(1-2):225-9. PMID: 12175516 [PubMed - indexed for MEDLINE] 45: Yue Y, Chen ZY, Gale NW, Blair-Flynn J, Hu TJ, Yue X, Cooper M, Related Articles, I Crockett DP, Yancopoulos GD, Tessarollo L, Zhou R. Mistargeting hippocampal axons by expression of a truncated Eph receptor. Proc Natl Acad Sci U S A. 2002 Aug 6;99(16):10777-82. Epub 2002 Jul 17. PMID: 12124402 [PubMed - indexed for MEDLINE] 46: Santiago A, Erickson CA. Related Articles, I

Ephrin-B ligands play a dual role in the control of neural crest cell migration

h cb hg e e e fcg e ch b e

Development. 2002 Aug;129(15):3621-32.

Page 6 of 17 PMID: 12117812 [PubMed - indexed for MEDLINE] 47: Pickles JO, Claxton C, Van Heumen WR. Related Articles, I Complementary and layered expression of Ephs and ephrins in developing mouse inner ear. J Comp Neurol. 2002 Jul 29;449(3):207-16. PMID: 12115675 [PubMed - indexed for MEDLINE] 48: Prevost N, Woulfe D, Tanaka T, Brass LF. Related Articles, I Interactions between Eph kinases and ephrins provide a mechanism to suppo platelet aggregation once cell-to-cell contact has occurred. Proc Natl Acad Sci U S A. 2002 Jul 9;99(14):9219-24. Epub 2002 Jun 25. PMID: 12084815 [PubMed - indexed for MEDLINE] 49: Eberhart J. Swartz ME, Koblar SA, Pasquale EB, Krull CE. Related Articles, I EphA4 constitutes a population-specific guidance cue for motor neurons. Dev Biol. 2002 Jul 1;247(1):89-101. PMID: 12074554 [PubMed - indexed for MEDLINE] 50: Karam SD, Dottori M, Ogawa K, Henderson JT, Boyd AW, Pasquale Related Articles, I EB, Bothwell M. EphA4 is not required for Purkinje cell compartmentation. Brain Res Dev Brain Res. 2002 Apr 30;135(1-2):29-38. PMID: 11978390 [PubMed - indexed for MEDLINE] 51: Nomura-Kitabayashi A, Takahashi Y, Kitajima S, Inoue T, Takeda H, Related Articles, I Saga Y. Hypomorphic Mesp allele distinguishes establishment of rostrocaudal polarit and segment border formation in somitogenesis. Development. 2002 May;129(10):2473-81. PMID: 11973278 [PubMed - indexed for MEDLINE] 52: Holmberg J. Frisen J. Related Articles, I Ephrins are not only unattractive. Trends Neurosci. 2002 May;25(5):239-43. Review. PMID: 11972959 [PubMed - indexed for MEDLINE] 53: Winning RS, Ward EK, Scales JB, Walker GK. Related Articles, I EphA4 catalytic activity causes inhibition of RhoA GTPase in Xenopus laevi embryos. Differentiation. 2002 Mar;70(1):46-55. PMID: 11963655 [PubMed - indexed for MEDLINE] 54: Hauptmann G, Belting HG, Wolke U, Lunde K, Soll I, Abdelilah-Related Articles, I Sevfried S, Prince V, Driever W. spiel ohne grenzen/pou2 is required for zebrafish hindbrain segmentation. Development. 2002 Apr;129(7):1645-55. PMID: 11923201 [PubMed - indexed for MEDLINE] 55: Buchberger A. Bonneick S. Klein C. Arnold HH. Related Articles, I Dynamic expression of chicken cMeso2 in segmental plate and somites. Dev Dyn. 2002 Jan;223(1):108-18. PMID: 11803574 [PubMed - indexed for MEDLINE] 56: Cheng N. Brantley DM, Chen J. Related Articles, I The ephrins and Eph receptors in angiogenesis. Cytokine Growth Factor Rev. 2002 Feb; 13(1):75-85. Review.

cb e ch h h g fcg

PMID: 11750881 [PubMed - indexed for MEDLINE]

Schubert FR, Tremblay P, Mansouri A, Faisst AM, Kammandel B,

b e

57: Lumsden A, Gruss P, Dietrich S. Related Articles, I Early mesodermal phenotypes in splotch suggest a role for Pax3 in the formation of epithelial somites. Dev Dyn. 2001 Nov;222(3):506-21. PMID: 11747084 [PubMed - indexed for MEDLINE] Related Articles, I 58: Karam SD, Kim YS, Bothwell M. Granule cells migrate within raphes in the developing cerebellum: an evolutionarily conserved morphogenic event. J Comp Neurol. 2001 Nov 12;440(2):127-35. PMID: 11745612 [PubMed - indexed for MEDLINE] Related Articles, I 59: Swartz ME, Eberhart J, Pasquale EB, Krull CE. EphA4/ephrin-A5 interactions in muscle precursor cell migration in the aviai forelimb. Development. 2001 Dec;128(23):4669-80. PMID: 11731448 [PubMed - indexed for MEDLINE] 60: Biervert C. Horvath E. Fahrig T. Related Articles, I Semiquantitative expression analysis of ephrine-receptor tyrosine kinase mRNA's in a rat model of traumatic brain injury. Neurosci Lett. 2001 Nov 23;315(1-2):25-8. PMID: 11711206 [PubMed - indexed for MEDLINE] 61: Winning RS, Wyman TL, Walker GK. Related Articles, I EphA4 activity causes cell shape change and a loss of cell polarity in Xenopi laevis embryos. Differentiation. 2001 Sep;68(2-3):126-32. PMID: 11686234 [PubMed - indexed for MEDLINE] 62: Stadler HS, Higgins KM, Capecchi MR. Related Articles, I Loss of Eph-receptor expression correlates with loss of cell adhesion and chondrogenic capacity in Hoxa13 mutant limbs. Development. 2001 Nov; 128(21):4177-88. PMID: 11684655 [PubMed - indexed for MEDLINE] 63: Huang R, Lang ER, Otto WR, Christ B, Patel K. Related Articles, I Molecular and cellular analysis of embryonic avian tongue development. Anat Embryol (Berl). 2001 Sep;204(3):179-87. PMID: 11681797 [PubMed - indexed for MEDLINE] 64: Topczewska JM, Topczewski J, Shostak A, Kume T, Solnica-Krezel L. Related Articles. Hogan BL. The winged helix transcription factor Foxcla is essential for somitogenesis in zebrafish. Genes Dev. 2001 Sep 15;15(18):2483-93. PMID: 11562356 [PubMed - indexed for MEDLINE] 65: Yu HH, Zisch AH, Dodelet VC, Pasquale EB. Related Articles. I Multiple signaling interactions of Abl and Arg kinases with the EphB2 recep Oncogene. 2001 Jul 5;20(30):3995-4006. PMID: 11494128 [PubMed - indexed for MEDLINE] 66: Coonan JR, Greferath U, Messenger J, Hartley L, Murphy M, Boyd AW. Related Articles. Dottori M. Galea MP, Bartlett PF Development and reorganization of corticospinal projections in EphA4 defic \mathbf{III} J Comp Neurol. 2001 Jul 23;436(2):248-62.

b e

e ch

h cb hg e e e fcg

PMID: 11438928 [PubMed - indexed for MEDLINE] 67: Lai KO, Ip FC, Cheung J, Fu AK, Ip NY. Related Articles, I Expression of Eph receptors in skeletal muscle and their localization at the neuromuscular junction. Mol Cell Neurosci. 2001 Jun; 17(6): 1034-47. PMID: 11414792 [PubMed - indexed for MEDLINE] Related Articles, I 68: Marin O, Blanco MJ, Nieto MA. Differential expression of Eph receptors and ephrins correlates with the formation of topographic projections in primary and secondary visual circuit

the embryonic chick forebrain.

Dev Biol. 2001 Jun 15;234(2):289-303.

PMID: 11397000 [PubMed - indexed for MEDLINE]

69: Schmidt C, Christ B, Maden M, Brand-Saberi B, Patel K.

Related Articles, I

Related Articles, I

Regulation of Epha4 expression in paraxial and lateral plate mesoderm by ectoderm-derived signals.

Dev Dyn. 2001 Apr;220(4):377-86.

PMID: 11307170 [PubMed - indexed for MEDLINE]

70: Kullander K. Croll SD, Zimmer M, Pan L, McClain J, Hughes V, Zabski Related Articles. i S, DeChiara TM, Klein R, Yancopoulos GD, Gale NW

Ephrin-B3 is the midline barrier that prevents corticospinal tract axons from recrossing, allowing for unilateral motor control.

Genes Dev. 2001 Apr 1;15(7):877-88.

PMID: 11297511 [PubMed - indexed for MEDLINE]

71: Leighton PA, Mitchell KJ, Goodrich LV, Lu X, Pinson K, Scherz P, Related Articles, I Skarnes WC, Tessier-Lavigne M.

Defining brain wiring patterns and mechanisms through gene trapping in mic Nature. 2001 Mar 8;410(6825):174-9.

PMID: 11242070 [PubMed - indexed for MEDLINE]

72: Giudicelli F, Taillebourg E, Charnay P, Gilardi-Hebenstreit P.

Krox-20 patterns the hindbrain through both cell-autonomous and non cellautonomous mechanisms.

Genes Dev. 2001 Mar 1;15(5):567-80.

PMID: 11238377 [PubMed - indexed for MEDLINE]

73: Yokoyama N, Romero MI, Cowan CA, Galvan P, Helmbacher F, Related Articles, I Charnay P. Parada LF, Henkemeyer M.

Forward signaling mediated by ephrin-B3 prevents contralateral corticospina axons from recrossing the spinal cord midline.

Neuron. 2001 Jan;29(1):85-97.

PMID: 11182083 [PubMed - indexed for MEDLINE]

74: Kullander K, Mather NK, Diella F, Dottori M, Boyd AW, Klein R. Related Articles, I

Kinase-dependent and kinase-independent functions of EphA4 receptors in major axon tract formation in vivo.

Neuron. 2001 Jan;29(1):73-84.

PMID: 11182082 [PubMed - indexed for MEDLINE]

75: Menzel P, Valencia F, Godement P, Dodelet VC, Pasquale EB. Related Articles, I

Ephrin-A6, a new ligand for EphA receptors in the developing visual system Dev Biol. 2001 Feb 1;230(1):74-88.

PMID: 11161563 [PubMed - indexed for MEDLINE]

76: Johnson J. Rhee J. Parsons SM, Brown D. Olson EN, Rawls A.

Related Articles, I

b e

	The anterior/posterior polarity of somites is disrupted in para Dev Biol. 2001 Jan 1;229(1):176-87. PMID: 11133162 [PubMed - indexed for MEDLINE]	xis-deficient mi
□ 77	: Xu Q. Mellitzer G. Wilkinson DG.	Related Articles,
	Roles of Eph receptors and ephrins in segmental patterning. Philos Trans R Soc Lond B Biol Sci. 2000 Jul 29;355(1399):993-1002. R PMID: 11128993 [PubMed - indexed for MEDLINE]	eview.
□ 78	Walkenhorst J, Dutting D, Handwerker C, Huai J, Tanaka H, Drescher U.	Related Articles,
	The EphA4 receptor tyrosine kinase is necessary for the guid retinal ganglion cell axons in vitro. Mol Cell Neurosci. 2000 Oct;16(4):365-75. PMID: 11085874 [PubMed - indexed for MEDLINE]	ance of nasal
□ 79	Schulte D, Cepko CL.	Related Articles,
	Two homeobox genes define the domain of EphA3 expression chick retina. Development. 2000 Dec;127(23):5033-45. PMID: 11060230 [PubMed - indexed for MEDLINE]	on in the develop
□ 80	Conover JC, Doetsch F, Garcia-Verdugo JM, Gale NW, Yancopoulos GD, Alvarez-Buylla A.	Related Articles, I
	Disruption of Eph/ephrin signaling affects migration and profadult subventricular zone. Nat Neurosci. 2000 Nov;3(11):1091-7. PMID: 11036265 [PubMed - indexed for MEDLINE]	liferation in the
□ 81	· Christ B, Huang R, Wilting J	Related Articles, I
	The development of the avian vertebral column. Anat Embryol (Berl). 2000 Sep;202(3):179-94. Review. PMID: 10994991 [PubMed - indexed for MEDLINE]	
□ 82	Cramer KS, Rosenberger MH, Frost DM, Cochran SL, Pasquale EB, Rubel EW	Related Articles, I
	Developmental regulation of EphA4 expression in the chick at J Comp Neurol. 2000 Oct 16;426(2):270-8. PMID: 10982468 [PubMed - indexed for MEDLINE]	auditory brainst
□ 83	Karam SD, Burrows RC, Logan C, Koblar S, Pasquale EB, Bothwell M.	Related Articles, I
	Eph receptors and ephrins in the developing chick cerebellun sagittal patterning and granule cell migration. J Neurosci. 2000 Sep 1;20(17):6488-500. PMID: 10964955 [PubMed - indexed for MEDLINE]	n: relationship to
□ 84	: Eberhart J, Swartz M, Koblar SA, Pasquale EB, Tanaka H, Krull CE.	Related Articles, I
	Expression of EphA4, ephrin-A2 and ephrin-A5 during axon hindlimb indicates potential roles in pathfinding. Dev Neurosci. 2000;22(3):237-50. PMID: 10894987 [PubMed - indexed for MEDLINE]	outgrowth to th
□ 85	: Helmbacher F, Schneider-Maunoury S, Topilko P, Tiret L, Charnay P.	Related Articles, I
	Targeting of the EphA4 tyrosine kinase receptor affects dorse pathfinding of limb motor axons. Development. 2000 Aug;127(15):3313-24. PMID: 10887087 [PubMed - indexed for MEDLINE]	al/ventral
□ 86	Binns KL, Taylor PP, Sieheri F, Pawson T, Holland SJ.	Related Articles, I

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Phosphorylation of tyrosine residues in the kinase domain and juxtamembrar region regulates the biological and catalytic activities of Eph receptors.

Mol Cell Biol. 2000 Jul;20(13):4791-805.

PMID: 10848605 [PubMed - indexed for MEDLINE]

1. 87: Vanderhaeghen P. Lu Q. Prakash N. Frisen J. Walsh CA, Frostig RD. Related Articles, I Flanagan JG.

A mapping label required for normal scale of body representation in the corton Nat Neurosci. 2000 Apr;3(4):358-65.
PMID: 10725925 [PubMed - indexed for MEDLINE]

88: <u>Durbin L. Sordino P. Barrios A. Gering M. Thisse C. Thisse B. Brennan</u> Related Articles, I C. Green A. Wilson S. Holder N.

Anteroposterior patterning is required within segments for somite boundary formation in developing zebrafish.

Development. 2000 Apr;127(8):1703-13.

PMID: 10725246 [PubMed - indexed for MEDLINE]

89. Wendling O, Dennefeld C, Chambon P, Mark M.

Related Articles, I

Retinoid signaling is essential for patterning the endoderm of the third and fourth pharyngeal arches.

Development. 2000 Apr;127(8):1553-62. PMID: 10725232 [PubMed - indexed for MEDLINE]

90: Kury P. Gale N. Connor R. Pasquale E. Guthrie S.

Related Articles, I

Eph receptors and ephrin expression in cranial motor neurons and the branch arches of the chick embryo.

Mol Cell Neurosci. 2000 Feb;15(2):123-40. PMID: 10673322 [PubMed - indexed for MEDLINE]

91: Barrow JR, Stadler HS, Capecchi MR.

Related Articles, I

Roles of Hoxa1 and Hoxa2 in patterning the early hindbrain of the mouse. Development. 2000 Mar; 127(5):933-44.

PMID: 10662633 [PubMed - indexed for MEDLINE]

92: Iwamasa H, Ohta K, Yamada T, Ushijima K, Terasaki H, Tanaka H. Related Articles, !

Expression of Eph receptor tyrosine kinases and their ligands in chick embryonic motor neurons and hindlimb muscles.

Dev Growth Differ. 1999 Dec;41(6):685-98.

PMID: 10646798 [PubMed - indexed for MEDLINE]

93: Stone AA, Chambers TC.

Related Articles, I

Microtubule inhibitors elicit differential effects on MAP kinase (JNK, ERK, p38) signaling pathways in human KB-3 carcinoma cells.

Exp Cell Res. 2000 Jan 10;254(1):110-9.

PMID: 10623471 [PubMed - indexed for MEDLINE]

94: van Heumen WR, Claxton C, Pickles JO.

Related Articles, I

Expression of EphA4 in developing inner ears of the mouse and guinea pig. Hear Res. 2000 Jan;139(1-2):42-50.

PMID: 10601711 [PubMed - indexed for MEDLINE]

1 95: Thanos CD, Faham S, Goodwill KE, Cascio D, Phillips M, Bowie JU. Related Articles, 1

Monomeric structure of the human EphB2 sterile alpha motif domain. J Biol Chem. 1999 Dec 24;274(52):37301-6.

PMID: 10601296 [PubMed - indexed for MEDLINE]

96: Yue Y, Su J, Cerretti DP, Fox GM, Jing S, Zhou R.

Related Articles, I



Selective inhibition of spinal cord neurite outgrowth and cell survival by the Eph family ligand ephrin-A5.

J Neurosci. 1999 Nov 15;19(22):10026-35.

PMID: 10559410 [PubMed - indexed for MEDLINE]

97: Garel S, Marin F, Grosschedl R, Charnay P.

Related Articles, I



Ebf1 controls early cell differentiation in the embryonic striatum.

Development. 1999 Dec;126(23):5285-94.

PMID: 10556054 [PubMed - indexed for MEDLINE]

98: Rossel M, Capecchi MR.

Related Articles, I



Mice mutant for both Hoxa1 and Hoxb1 show extensive remodeling of the hindbrain and defects in craniofacial development.

Development. 1999 Nov;126(22):5027-40.

PMID: 10529420 [PubMed - indexed for MEDLINE]

99: Mackarehtschian K, Lau CK, Caras I, McConnell SK.

Related Articles, I



Regional differences in the developing cerebral cortex revealed by ephrin-Af expression.

Cereb Cortex. 1999 Sep;9(6):601-10.

PMID: 10498278 [PubMed - indexed for MEDLINE]

100: Rogers JH, Ciossek T, Menzel P, Pasquale EB.

Related Articles, I



Eph receptors and ephrins demarcate cerebellar lobules before and during the formation.

Mech Dev. 1999 Sep;87(1-2):119-28.

PMID: 10495276 [PubMed - indexed for MEDLINE]

101: Chi SW, Ayed A, Arrowsmith CH.

Related Articles, I



Solution structure of a conserved C-terminal domain of p73 with structural homology to the SAM domain.

EMBO J. 1999 Aug 16;18(16):4438-45.

PMID: 10449409 [PubMed - indexed for MEDLINE]

102: Patel K, Makarenkova H, Jung HS.

Related Articles, I



The role of long range, local and direct signalling molecules during chick feather bud development involving the BMPs, follistatin and the Eph recept tyrosine kinase Eph-A4.

Mech Dev. 1999 Aug;86(1-2):51-62.

PMID: 10446265 [PubMed - indexed for MEDLINE]

103: Donoghue MJ, Rakic P.

Related Articles, I



Molecular evidence for the early specification of presumptive functional domains in the embryonic primate cerebral cortex.

J Neurosci. 1999 Jul 15;19(14):5967-79.

PMID: 10407035 [PubMed - indexed for MEDLINE]

104: Mellitzer G, Xu Q, Wilkinson DG.

Related Articles, I



Eph receptors and ephrins restrict cell intermingling and communication. Nature. 1999 Jul 1;400(6739):77-81.

PMID: 10403252 [PubMed - indexed for MEDLINE]

105: Janis LS, Cassidy RM, Kromer LF.

Related Articles, I



Ephrin-A binding and EphA receptor expression delineate the matrix compartment of the striatum.

b e

J Neurosci. 1999 Jun 15;19(12):4962-71.

PMID: 10366629 [PubMed - indexed for MEDLINE]

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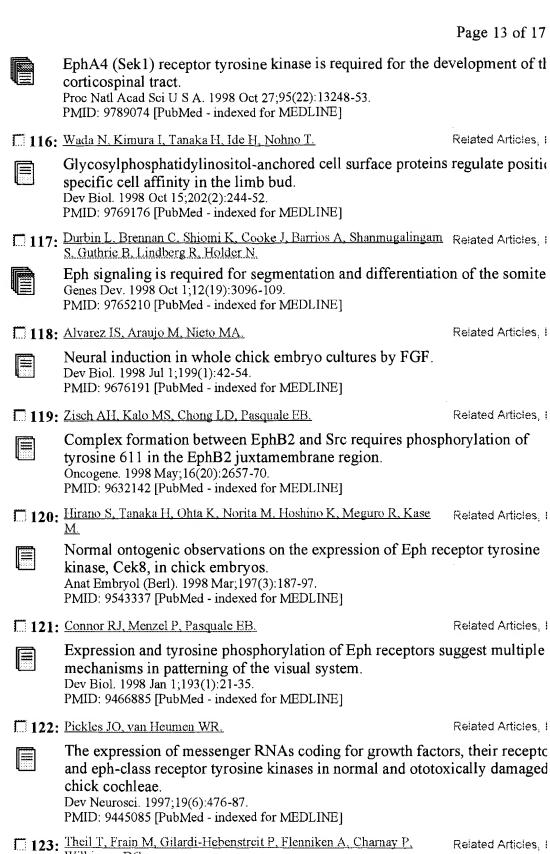
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□ 106:	Xu Q, Mellitzer G, Robinson V, Wilkinson DG.	Related Articles, I
	In vivo cell sorting in complementary segmental domains m receptors and ephrins. Nature. 1999 May 20;399(6733):267-71. PMID: 10353250 [PubMed - indexed for MEDLINE]	ediated by Eph
□ 107:	Moreno-Flores MT, Wandosell F.	Related Articles, I
	Up-regulation of Eph tyrosine kinase receptors after excitote hippocampus. Neuroscience. 1999;91(1):193-201. PMID: 10336070 [PubMed - indexed for MEDLINE]	oxic injury in ac
□ 108:	Barrantes IB, Elia AJ, Wunsch K, Hrabe de Angelis MH, Mak TW, Rossant J, Conlon RA, Gossler A, de la Pompa JL	Related Articles, I
	Interaction between Notch signalling and Lunatic fringe dur boundary formation in the mouse. Curr Biol. 1999 May 6;9(9):470-80. PMID: 10330372 [PubMed - indexed for MEDLINE]	ing somite
□ 109:	Hagemann D, Troppmair J, Rapp UR.	Related Articles, I
	Cot protooncoprotein activates the dual specificity kinases Mand induces differentiation of PC12 cells. Oncogene. 1999 Feb 18;18(7):1391-400. PMID: 10050876 [PubMed - indexed for MEDLINE]	MEK-1 and SEk
□ 110:	Ghaffari-Tabrizi N, Bauer B, Villunger A, Baier-Bitterlich G, Altman A, Utermann G, Uberall F, Baier G.	Related Articles, I
	Protein kinase Ctheta, a selective upstream regulator of JNK promoter activation in Jurkat T cells. Eur J Immunol. 1999 Jan;29(1):132-42. PMID: 9933094 [PubMed - indexed for MEDLINE]	I/SAPK and IL-
□111:	Bianchi LM, Liu H.	Related Articles, I
	Comparison of ephrin-A ligand and EphA receptor distribut developing inner ear. Anat Rec. 1999 Jan;254(1):127-34. PMID: 9892426 [PubMed - indexed for MEDLINE]	ion in the
□ 112:	Stapleton D, Balan I, Pawson T, Sicheri F.	Related Articles, I
	The crystal structure of an Eph receptor SAM domain reveal modular dimerization. Nat Struct Biol. 1999 Jan;6(1):44-9. PMID: 9886291 [PubMed - indexed for MEDLINE]	ls a mechanism
□ 113:	Rabinowitz JD, Vrljic M, Kasson PM, Liang MN, Busch R, Boniface JJ, Davis MM, McConnell HM.	Related Articles, I
	Formation of a highly peptide-receptive state of class II MH Immunity. 1998 Nov;9(5):699-709. PMID: 9846491 [PubMed - indexed for MEDLINE]	IC.
□ 114:	Lin JC, Cepko CL.	Related Articles, I
	Granule cell raphes and parasagittal domains of Purkinje cell patterns in the developing chick cerebellum. J Neurosci. 1998 Nov 15;18(22):9342-53. PMID: 9801373 [PubMed - indexed for MEDLINE]	ls: complement
□ 115:	Dottori M, Hartley L, Galea M, Paxinos G, Polizzotto M, Kilpatrick T, Bartlett PF, Murphy M, Kontgen F, Boyd AW.	Related Articles, I

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and eph-class receptor tyrosine kinases in normal and ototoxically damaged

Wilkinson DG.

Segmental expression of the EphA4 (Sek-1) receptor tyrosine kinase in the hindbrain is under direct transcriptional control of Krox-20.

Development. 1998 Feb; 125(3):443-52.

PMID: 9425139 [PubMed - indexed for MEDLINE]

124: Martone ME, Holash JA, Bayardo A, Pasquale EB, Ellisman MH. Related Articles, I

Immunolocalization of the receptor tyrosine kinase EphA4 in the adult rat central nervous system.

Brain Res. 1997 Oct 17;771(2):238-50.

PMID: 9401744 [PubMed - indexed for MEDLINE] 125: Smith A, Robinson V, Patel K, Wilkinson DG. Related Articles, I The EphA4 and EphB1 receptor tyrosine kinases and ephrin-B2 ligand regu targeted migration of branchial neural crest cells. Curr Biol. 1997 Aug 1;7(8):561-70. PMID: 9259557 [PubMed - indexed for MEDLINE] 126: Easty DJ, Mitchell PJ, Patel K, Florenes VA, Spritz RA, Bennett DC. Related Articles, i Loss of expression of receptor tyrosine kinase family genes PTK7 and SEK metastatic melanoma. Int J Cancer. 1997 Jun 11;71(6):1061-5. PMID: 9185712 [PubMed - indexed for MEDLINE] 127: Ohta K, Iwamasa H, Drescher U, Terasaki H, Tanaka H. Related Articles, I The inhibitory effect on neurite outgrowth of motoneurons exerted by the ligands ELF-1 and RAGS. Mech Dev. 1997 Jun;64(1-2):127-35. PMID: 9232603 [PubMed - indexed for MEDLINE] 128: Nittenberg R, Patel K, Joshi Y, Krumlauf R, Wilkinson DG, Brickell Related Articles, I PM, Tickle C. Clarke JD. Cell movements, neuronal organisation and gene expression in hindbrains lacking morphological boundaries. Development. 1997 Jun;124(12):2297-306. PMID: 9199356 [PubMed - indexed for MEDLINE] 129: Kiefer F, Tibbles LA, Lassam N, Zanke B, Iscove N, Woodgett JR. Related Articles, I Novel components of mammalian stress-activated protein kinase cascades. Biochem Soc Trans. 1997 May;25(2):491-8. Review. No abstract available. PMID: 9191142 [PubMed - indexed for MEDLINE] 130: Varela-Echavarria A, Guthrie S. Related Articles, I Molecules making waves in axon guidance. Genes Dev. 1997 Mar 1;11(5):545-57. Review. No abstract available. PMID: 9119220 [PubMed - indexed for MEDLINE] 131: Tanaka H, Fukushima M, Ohta K, Kimura Y, Sudo A, Shirabe K, Related Articles, I Takeshita M. Commitment of motoneuron progenitors of chick embryo along the anterior # posterior axis. Dev Neurosci. 1997;19(1):106-11. PMID: 9078441 [PubMed - indexed for MEDLINE] 132: Ho HY, Lee HH, Lai MZ. Related Articles, I Overexpression of mitogen-activated protein kinase kinase kinase reversed cAMP inhibition of NF-kappaB in T cells. Eur J Immunol. 1997 Jan;27(1):222-6. PMID: 9022022 [PubMed - indexed for MEDLINE] 133: Orioli D, Henkemeyer M, Lemke G, Klein R, Pawson T. Related Articles, I Sek4 and Nuk receptors cooperate in guidance of commissural axons and ir palate formation. EMBO J. 1996 Nov 15;15(22):6035-49. PMID: 8947026 [PubMed - indexed for MEDLINE] 134: Soans C, Holash JA, Pavlova Y, Pasquale EB. Related Articles, I

Developmental expression and distinctive tyrosine phosphorylation of the E

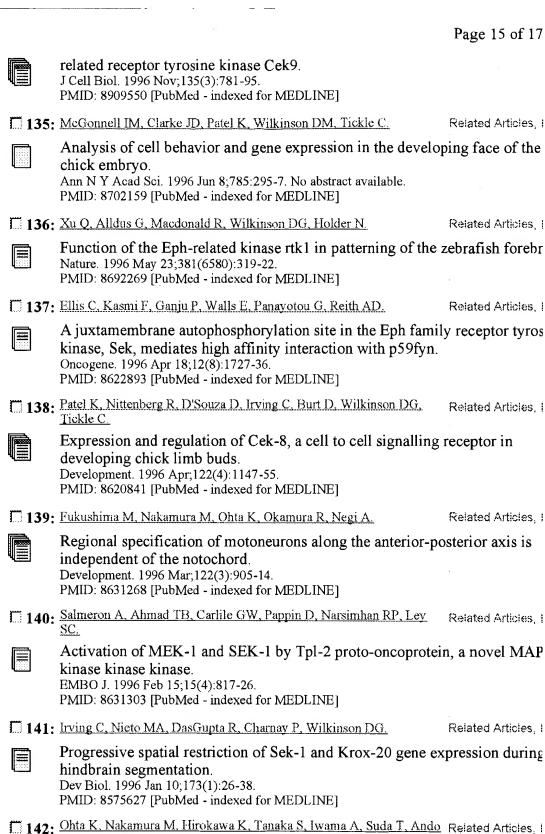
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Progressive spatial restriction of Sek-1 and Krox-20 gene expression during

M. Tanaka H.

The receptor tyrosine kinase, Cek8, is transiently expressed on subtypes of motoneurons in the spinal cord during development.

Mech Dev. 1996 Jan;54(1):59-69.

PMID: 8808406 [PubMed - indexed for MEDLINE]

143: Xu Q, Alldus G, Holder N, Wilkinson DG.

Related Articles, I

Expression of truncated Sek-1 receptor tyrosine kinase disrupts the segment restriction of gene expression in the Xenopus and zebrafish hindbrain.

Development. 1995 Dec;121(12):4005-16.

PMID: 8575301 [PubMed - indexed for MEDLINE]

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□ 144:	Becker N. Gilardi-Hebenstreit P. Seitanidou T. Wilkinson D. Charnay P.	Related Articles, I	
	Characterisation of the Sek-1 receptor tyrosine kinase. FEBS Lett. 1995 Jul 17;368(2):353-7. PMID: 7628636 [PubMed - indexed for MEDLINE]		
□ 145:	Skarnes WC, Moss JE, Hurtley SM, Beddington RS.	Related Articles, I	
	Capturing genes encoding membrane and secreted proteins mouse development. Proc Natl Acad Sci U S A. 1995 Jul 3;92(14):6592-6. PMID: 7604039 [PubMed - indexed for MEDLINE]	important for	
□ 146:	Shao H, Lou L, Pandey A, Verderame MF, Siever DA, Dixit VM.	Related Articles, I	
	cDNA cloning and characterization of a Cek7 receptor prote ligand that is identical to the ligand (ELF-1) for the Mek-4 a protein-tyrosine kinases. J Biol Chem. 1995 Feb 24;270(8):3467-70. PMID: 7876076 [PubMed - indexed for MEDLINE]	•	
□ 147	Cheng HJ, Flanagan JG.	Related Articles, I	
	Identification and cloning of ELF-1, a developmentally exp the Mek4 and Sek receptor tyrosine kinases. Cell. 1994 Oct 7;79(1):157-68. PMID: 7522971 [PubMed - indexed for MEDLINE]	ressed ligand fo	
□ 148	Becker N, Seitanidou T, Murphy P, Mattei MG, Topilko P, Nieto MA. Wilkinson DG, Charnay P, Gilardi-Hebenstreit P.	Related Articles, I	
	Several receptor tyrosine kinase genes of the Eph family are expressed in the developing hindbrain. Mech Dev. 1994 Jul;47(1):3-17. PMID: 7947319 [PubMed - indexed for MEDLINE]	e segmentally	
□ 149	Gilardi-Hebenstreit P, Nieto MA, Frain M, Mattei MG, Chestier A, Wilkinson DG, Charnay P.	Related Articles, I	
	An Eph-related receptor protein tyrosine kinase gene segme the developing mouse hindbrain. Oncogene. 1993 Apr;8(4):1103. No abstract available. PMID: 8455939 [PubMed - indexed for MEDLINE]	entally expressed	
□ 150	Wilkinson DG.	Related Articles, I	
	Molecular mechanisms of segmental patterning in the verter Perspect Dev Neurobiol. 1993;1(3):117-25. Review. PMID: 7916256 [PubMed - indexed for MEDLINE]	brate hindbrain.	
T 151	Nieto MA, Gilardi-Hebenstreit P, Charnay P, Wilkinson DG.	Related Articles, I	
	A receptor protein tyrosine kinase implicated in the segmenthindbrain and mesoderm. Development. 1992 Dec;116(4):1137-50. PMID: 1295734 [PubMed - indexed for MEDLINE]	tal patterning of	
□ 152	Gilardi-Hebenstreit P, Nieto MA, Frain M, Mattei MG, Chestier A, Wilkinson DG, Charnay P.	Related Articles, I	
	An Eph-related receptor protein tyrosine kinase gene segmentally expressed the developing mouse hindbrain. Oncogene. 1992 Dec;7(12):2499-506. Erratum in: Oncogene. 1993 Apr;8(4):1103. PMID: 1281307 [PubMed - indexed for MEDLINE] Summary Show 500 Sort Send to Text		
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